

# Jos C Fernandez-Checa

## List of Publications by Citations

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35  
papers

6,190  
citations

21  
h-index

40  
g-index

40  
ext. papers

7,164  
ext. citations

8  
avg, IF

4.63  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 35 | Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222   | 10.2 | 3838      |
| 34 | Mitochondrial free cholesterol loading sensitizes to TNF- and Fas-mediated steatohepatitis. <i>Cell Metabolism</i> , <b>2006</b> , 4, 185-98   | 24.6 | 468       |
| 33 | Glutathione and mitochondria. <i>Frontiers in Pharmacology</i> , <b>2014</b> , 5, 151  | 5.6  | 269       |
| 32 | Enhanced free cholesterol, SREBP-2 and StAR expression in human NASH. <i>Journal of Hepatology</i> , <b>2009</b> , 50, 789-96  | 13.4 | 239       |
| 31 | Impaired uptake of glutathione by hepatic mitochondria from chronic ethanol-fed rats. Tracer kinetic studies in vitro and in vivo and susceptibility to oxidant stress. <i>Journal of Clinical Investigation</i> , <b>1991</b> , 87, 397-405 | 15.9 | 192       |
| 30 | Hepatic mitochondrial glutathione depletion and progression of experimental alcoholic liver disease in rats. <i>Hepatology</i> , <b>1992</b> , 16, 1423-7  | 11.2 | 189       |
| 29 | Mitochondrial glutathione depletion in alcoholic liver disease. <i>Alcohol</i> , <b>1993</b> , 10, 469-75  | 2.7  | 124       |
| 28 | Canalicular transport of reduced glutathione in normal and mutant Eisai hyperbilirubinemic rats. <i>Journal of Biological Chemistry</i> , <b>1992</b> , 267, 1667-73   | 5.4  | 109       |
| 27 | JNK interaction with Sab mediates ER stress induced inhibition of mitochondrial respiration and cell death. <i>Cell Death and Disease</i> , <b>2014</b> , 5, e989  | 9.8  | 105       |
| 26 | ASMase regulates autophagy and lysosomal membrane permeabilization and its inhibition prevents early stage non-alcoholic steatohepatitis. <i>Journal of Hepatology</i> , <b>2014</b> , 61, 1126-34   | 13.4 | 70        |
| 25 | Endoplasmic reticulum stress mediates amyloid $\beta$ neurotoxicity via mitochondrial cholesterol trafficking. <i>American Journal of Pathology</i> , <b>2014</b> , 184, 2066-81   | 5.8  | 69        |
| 24 | Gas6/Axl pathway is activated in chronic liver disease and its targeting reduces fibrosis via hepatic stellate cell inactivation. <i>Journal of Hepatology</i> , <b>2015</b> , 63, 670-8   | 13.4 | 68        |
| 23 | Acid sphingomyelinase-ceramide system in steatohepatitis: a novel target regulating multiple pathways. <i>Journal of Hepatology</i> , <b>2015</b> , 62, 219-33   | 13.4 | 52        |
| 22 | Cholesterol enrichment in liver mitochondria impairs oxidative phosphorylation and disrupts the assembly of respiratory supercomplexes. <i>Redox Biology</i> , <b>2019</b> , 24, 101214  | 11.3 | 45        |
| 21 | Mitochondrial GSH replenishment as a potential therapeutic approach for Niemann Pick type C disease. <i>Redox Biology</i> , <b>2017</b> , 11, 60-72  | 11.3 | 41        |
| 20 | Endoplasmic Reticulum Stress-Induced Upregulation of STARD1 Promotes Acetaminophen-Induced Acute Liver Failure. <i>Gastroenterology</i> , <b>2019</b> , 157, 552-568   | 13.3 | 39        |
| 19 | MLN64 induces mitochondrial dysfunction associated with increased mitochondrial cholesterol content. <i>Redox Biology</i> , <b>2017</b> , 12, 274-284  | 11.3 | 37        |

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|----|--|------|----|
| 18 | Angiogenin secretion from hepatoma cells activates hepatic stellate cells to amplify a self-sustained cycle promoting liver cancer. <i>Scientific Reports</i> , <b>2015</b> , 5, 7916  | 4.9  | 33 |
| 17 | Selective induction by phenobarbital of the electrogenic transport of glutathione and organic anions in rat liver canalicular membrane vesicles. <i>Journal of Biological Chemistry</i> , <b>1993</b> , 268, 10836-41                                | 5.4  | 31 |
| 16 | The 2-oxoglutarate carrier promotes liver cancer by sustaining mitochondrial GSH despite cholesterol loading. <i>Redox Biology</i> , <b>2018</b> , 14, 164-177   | 11.3 | 30 |
| 15 | Expression of rat liver reduced glutathione transport in <i>Xenopus laevis</i> oocytes. <i>Journal of Biological Chemistry</i> , <b>1993</b> , 268, 2324-8   | 5.4  | 26 |
| 14 | Liver Cholesterol Overload Aggravates Obstructive Cholestasis by Inducing Oxidative Stress and Premature Death in Mice. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2016</b> , 2016, 9895176   | 6.7  | 20 |
| 13 | Consumption of decaffeinated coffee protects against the development of early non-alcoholic steatohepatitis: Role of intestinal barrier function. <i>Redox Biology</i> , <b>2019</b> , 21, 101092  | 11.3 | 15 |
| 12 | Ceramide, tumor necrosis factor and alcohol-induced liver disease. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2005</b> , 29, 151S-157S   | 3.7  | 14 |
| 11 | Ceramide, Tumor Necrosis Factor and Alcohol-Induced Liver Disease. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2005</b> , 29, 158S-161S   | 3.7  | 13 |
| 10 | STARD1 promotes NASH-driven HCC by sustaining the generation of bile acids through the alternative mitochondrial pathway. <i>Journal of Hepatology</i> , <b>2021</b> , 74, 1429-1441   | 13.4 | 10 |
| 9  | Advanced preclinical models for evaluation of drug-induced liver injury - consensus statement by the European Drug-Induced Liver Injury Network [PRO-EURO-DILI-NET]. <i>Journal of Hepatology</i> , <b>2021</b> , 75, 935-959                        | 13.4 | 10 |
| 8  | Identification and functional analysis of mutations in FAD-binding domain of mitochondrial glycerophosphate dehydrogenase in caucasian patients with type 2 diabetes mellitus. <i>Endocrine</i> , <b>2001</b> , 16, 39-42                            |      | 7  |
| 7  | Acid ceramidase improves mitochondrial function and oxidative stress in Niemann-Pick type C disease by repressing STARD1 expression and mitochondrial cholesterol accumulation. <i>Redox Biology</i> , <b>2021</b> , 45, 102052                      | 11.3 | 5  |
| 6  | Cholesterol Induces Nrf-2- and HIF-1-Dependent Hepatocyte Proliferation and Liver Regeneration to Ameliorate Bile Acid Toxicity in Mouse Models of NASH and Fibrosis. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2020</b> , 2020, 5393761 | 6.7  | 4  |
| 5  | MITOCHONDRIAL CHOLESTEROL AND CANCER. <i>Seminars in Cancer Biology</i> , <b>2021</b> , 73, 76-85  | 12.7 | 4  |
| 4  | GDF11 restricts aberrant lipogenesis and changes in mitochondrial structure and function in human hepatocellular carcinoma cells. <i>Journal of Cellular Physiology</i> , <b>2021</b> , 236, 4076-4090   | 7    | 3  |
| 3  | Hypothalamic pregnenolone mediates recognition memory in the context of metabolic disorders.. <i>Cell Metabolism</i> , <b>2022</b> , 34, 269-284.e9  | 24.6 | 2  |
| 2  | The loss of DHX15 impairs endothelial energy metabolism, lymphatic drainage and tumor metastasis in mice. <i>Communications Biology</i> , <b>2021</b> , 4, 1192  | 6.7  | 0  |
| 1  | Exploration of Digestive Diseases, where discovery and communication meet <b>2022</b> , 1, 1-3   |      |    |

